

## The Integrated Stress Response (ISR)

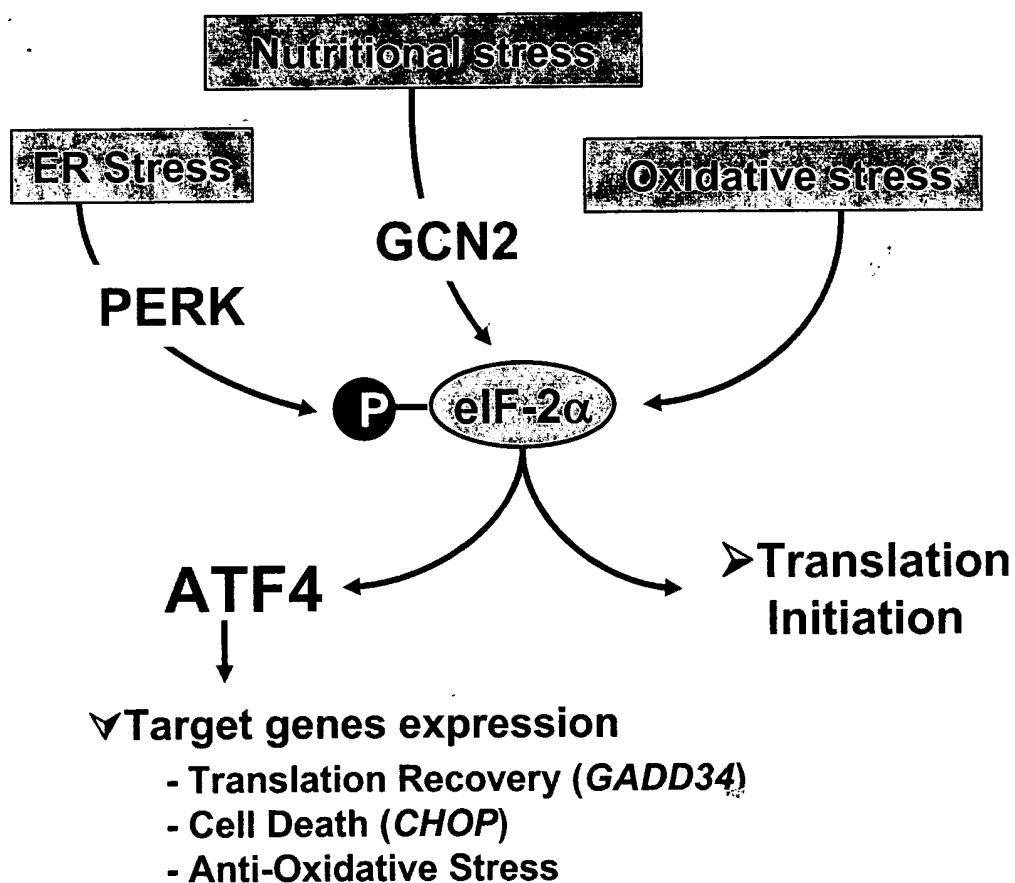


FIGURE 1

METHODS OF SCREENING TEST COMPOUNDS USING GADD34L,  
AN eIF2 $\alpha$ -SPECIFIC PHOSPHATASE SUBUNIT.

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1        ATTGTTGGGCT TCGCTTCCAC CGCACCAAGGCC GGCCTACCCA GTCCTTCCGG TATCGCGTTG  
61      CTCAGGGGCT TTTCAACCCT CTGTCAGTCG GAAAACCATC GCCGAGGCCG TGGGGGGACT  
121     CCTATCCATG GTGTTGAAGC GTCGAGCCGA CTAGGGAACC TCCTTCCCCG CCAGGATGGA  
181     AGTCGCATCA GTCGCCGCCT ATTGCGCGGG CTGTTCTTCC CTGTGTTCTG CCGCCCGCTG  
241     CCGCATTCGC TGCCCTCTGT GGCTTTCTG CTGGCTCGAA GATCGGCCTG GAGCAGCGAC  
301     GCCACCGCTG GGCAAGGCCG AGACTCTGTA GGCTTCCTCC GAATCCCCTC GACCTCCAGC  
361     CGCTGAGCGC CGCGGCCCTA CCTGAGAGAC TGTCAAGAAA AAGGAGATGG AGCCGGGGAC  
421     AGGCGGATCG CGGAAACGGC TTGGCCCTCG GGCGGGCTTC CGGTTCTGGC CACCCTTTT  
481     CCCTCGGCAG TCGCAAGCAG GCTCTTCTAA GTTCCCGACG CCTCTTGGCC CGGAAAACTC  
541     CGGGAACCCC ACACTGCTTT CCTCTGCCCA GCCCGAGACT CGGGTCAGTT ACTGGACGAA  
601     ACTGCTCTCC CAGCTCCTTG CGCCGCTCCC CGGATTGCTT CAGAAGGTGC TAATTGGAG  
661     CCAACTTTTC GGTGGAATGT TTCCGACCAG ATGGCTAGAT TTTGCTGGAG TCTACAGCGC  
721     CCTGAGAGCC CTGAAGGGAC GGGAGAAACC AGCCGCCCCC ACAGCGCAGA AATCTTGAG  
781     TTCGCTGCAG CTCGACTCCT CAGACCCCTC GGTCACCAAGT CCCCTTGATT GGCTAGAGGA  
841     GGGGATCCAC TGGCAATACT CGCCCCCAGA CCTAAAATTG GAGCTTAAGG CCAAGGGAAG  
901     TGCTTGAC CCTGCAGCAC AGGCTTTCT CTTAGAGCAG CAGCTGTGGG GAGTGGAGCT  
961     GTTGCCCAGT AGCCTTCAT CCCGTCTGTA CTCTAACCGG GAACTTGGCT CTTCGCCCTC  
1021    TGGGCCTCTA AACATTCAAC GCATAGACAA TTTCAGTGTG GTATCCTATT TGCTGAACCC  
1081    TTCCTACCTG GACTGCTTTC CTAGGCTAGA AGTCAGCTAT CAGAACAGTG ATGGAAATAG  
1141    CGAGGTAGTC GGCTTCCAGA CACTAACCCC AGAGAGCAGC TGCCTGAGAG AGGACCATTG  
1201    TCATCCCCAG CCGCTGAGTG CAGAACTCAT TCCGGCCTCG TGGCAGGGAT GTCCACCTCT  
1261    TTCTACGGAA GGCCTACCAAG AAATTACCA TCTTCGCATG AAACGGCTGG AATTCCCTCA  
1321    ACAGGCTAAC AAGGGGCAAG ATTTACCCAC CCCTGACCAG GATAATGGCT ACCACAGCCT  
1381    GGAGGAGGAA CACAGCCTTC TCCGGATGGA TCCAAAACAC TGCAGAGATA ACCCAACACA  
1441    GTTTGTTCCCT GCTGCTGGAG ACATTCCCTGG AAACACCCAG GAATCCACTG AAGAAAAAAT

FIGURE 2A

METHODS OF SCREENING TEST COMPOUNDS USING GADD34L,  
AN eIF2 $\alpha$ -SPECIFIC PHOSPHATASE SUBUNIT.

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1501 AGAATTATTA ACTACAGAGG TTCCACTTGC TTTGGAAGAA GAGAGCCCTT CTGAGGGCTG  
1561 TCCATCTAGT GAGATACCTA TGAAAAGGA GCCTGGAGAG GGCGAATAA GTGTAGTTGA  
1621 TTACTCATAAC CTAGAACGGTG ACCTTCCCCT TTCTGCCAGA CCAGCTTGTGTA GTAACAAACT  
1681 GATAGATTAT ATTTTGGGAG GTGCATCCAG TGACCTGGAA ACAAGTTCTG ATCCAGAAGG  
1741 TGAGGATTGG GATGAGGAAG CTGAGGATGA TGTTTTGAT AGTGTAGCT CACTGTCAGA  
1801 CTCAGACCTT GAACAAGACC CTGAAGGGCT TCACCTTGG AACTCTTCT GCAGTGTAGA  
1861 TCCTTATAAT CCCCAGAACT TTACAGCAAC AATTCAAGACT GCTGCCAGAA TTGTTCTGTA  
1921 AGAGCCTTCT GATTCAAGAGA AGGATTGTC TGGCAAGTCT GATCTAGAGA ATTCCCTCCA  
1981 GTCTGGAAGC CTTCTGAGA CCCCTGAGCA TAGTTCTGGG GAGGAAGATG ACTGGAAATC  
2041 TAGTGCAGAT GAAGCAGAGA GTCTCAAAC GTGGAACCTCA TTCTGTAATT CTGATGACCC  
2101 CTACAACCCCT TTAAATTTA AGGCTCCTTT TCAAACATCA GGGGAAAATG AGAAAGGCTG  
2161 TCGTGACTCA AAGACCCCAT CTGAGTCCAT TGTGGCCATT TCTGAGTGTGTC ACACCTTACT  
2221 TTCTTGTAAG GTGCAGCTGT TGGGGAGCCA AGAAAGTGAA TGTCCAGACT CGGTACAGCG  
2281 TGACGTTCTT TCTGGAGGAA GACACACACA TGTCAAAAGA AAAAAGGTAA CCTTCCTTGA  
2341 AGAAGTTACT GAGTATTATA TAAGTGGTGA TGAGGATCGC AAAGGACCAT GGGAAAGAATT  
2401 TGCAAGGGAT GGATGCAGGT TCCAGAAACG AATTCAAGAA ACAGAAGATG CTATTGGATA  
2461 TTGCTTGACA TTTGAACACA GAGAAAGAAT GTTTAATAGA CTCCAGGGAA CATGCTTCAA  
2521 AGGACTTAAT GTTCTCAAGC AATGTTGAGT TGGCAGCCTG TAGTCCTAGC TAGCATAACAC  
2581 TACCTCTTAC CTGAGAGGTG TCTTTAAAAA ACAAAATCTTG GCAGCTGTCC TTTGACATTT  
2641 TTTTTTTAG AGGAAATGTA ACTTGGATCT AGTTAATTT TTTTTTTGC AACATATCCC  
2701 ACTCAGAAAC ATTCAAGGTTT GAAGCCAGCC CTGATAATGA AGGATGAACT AGTGTGATTT  
2761 CTAATCCTCC CTTTTTGAT TTAGTTGGAT GTGCTTTAA ATGTCCTTG CCTGCATGAG  
2821 GTGGAAAGGG GACCTTTTG AGTTGTCATT TTGCACCTTC AAAACTTATT TTCTTGAAA  
2881 ACAATATTAA TAGGGCTTAA AGCCCATTAA CATTCTAAAT CTAAATTATG TGTGCCTATC  
2941 TG

**FIGURE 2B**

METHODS OF SCREENING TEST COMPOUNDS USING GADD34L,  
AN eIF2 $\alpha$ -SPECIFIC PHOSPHATASE SUBUNIT.

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1       MEPGTGGSRK RLGPRAGFRF WPPFFPRRSQ AGSSKFPTPL GPENSGNPTL LSSAQPETRV  
61      SYWTKLSQL LAPLPGLLQK VLIWSQLFGG MFPTRWLDFA GVYSALRALK GREKPAAPTA  
121     QKSLSSLQLD SSDPSVTSPS DWLEEGIHWO YSPPDLKLEL KAKGSALDPA AQAFLLEQQL  
181     WGVELLPSSL QSRLYSNREL GSSPSGPLNI QRIDNFSVVS YLLNPSYLCD FPRLEVSYQN  
241     SDGNSEVVGF QTLTPESSCL REDHCHPQPL SAELIPASWQ GCPPLSTEGL PEIHHLRMKR  
301     LEFLQQANKG QDLPTPDQDN GYHSLEEEHS LLRMDPKHCR DNPTQFVPAA GDIPGNTQES  
361     TEEKIELLTT EVPLALEEES PSEGCPSEI PMEKEPGEGR ISVVDYSYLE GDLPISARPA  
421     CSNKLIDYIL GGASSDLETS SDPEGEDWDE EAEDDGFDSD SSLSDSDLEQ DPEGLHLWNS  
481     FCSVDPYNPQ NFTATIQTAA RIVPEEPSDS EKDLSGKSDL ENSSQSGSLP ETPEHSSGEE  
541     DDWESSADEA ESLKLWNSFC NSDDPYNPLN FKAPFQTSGE NEKGCRDSKT PSESIVAISE  
601     CHTLLSCKVQ LLGSQESECP DSVQRDVLSG GRHTHVKRKK VTFLEEVTEY YISGDEDRKKG  
661     PWEEFARDGC RFQKRIQETE DAIGYCLTFE HRERMFNRQL GTCFKGLNVL KQC....713

**FIGURE 3**

METHODS OF SCREENING TEST COMPOUNDS USING GADD34L,  
AN eIF2 $\alpha$ -SPECIFIC PHOSPHATASE SUBUNIT.

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1 CGGTCCCTCCG TCTCGCCCTG CAGCTTCCGG GTGTGCGGCT GCGGCCATT TGAGCTTCGC  
61 TTCTTTGCGC CCTCGCCTGC CACCCAGCCA CCCTTCCGC CTTGGCGTTT CGCGCCTCCG  
121 TGGGGCCAC CGGAAACGCC GCCGTCGTCT CCGTCGCCGC CGCGCGAGGG AGGGTCTTCT  
181 CTATGGTGGA GCGATCTCAC ACGGCCTAGG ACGTCTCCTT CCCTAGCCGG GATGGACCTA  
241 ACCCGGGTCG CCACCGCTTG CGCGGGCCTC TGGGCCGTCC GGTGCAGCAC TCGTTGCGGA  
301 AGCCGCCGCT CTCTGGGCCT CCTCTGCCGG CGCGGAAATC GGACTGCAGT ACCCACTCCG  
361 TGGCTGGCA AGGCGGAGAC TGTGTAGACC TCGGATCCAG CCTGCGCTGA CGCCGCTGAG  
421 CTCTGTCCTC CTCCTGTCTG AGAAGCCGCC AAGGAAAGGA GATGGAGACA GGAACGCACA  
481 GGGCCCGGAA GCGGCCTGGC CCTCGGCTGG GCTCCTGGTT CGGGCTGCC TTCCCTCGGC  
541 GATCGCACGC CTGCTCTTCG GAGTTCCCAGC CGCCTTCCTC TCGACAAAAT CCCGGGAAC  
601 CCGCTCTGCC CGAGCGTCGG ACCAGGTACT GGACCAAATT GCTTCTCAG CTCCTTGCCC  
661 TGCTCCCTAG CCTATTCCAG AAGCTGCTGC TTTGGAGCCA GCTTCCGGG GGCCTGATTC  
721 CTACCAAGATG GCTAGATTT GCCGCAAGTT ACAGGCCCT GAGAGCTTCG AGAGGACGGG  
781 AGGAATCTGA CGCTCCCACG GTGCAGAAGT CTCTGAGTTA CACTGCGGCT GGACTCTCG  
841 CGAACAGCTCG CGTCGTCAGT ACTCTTGCAT TGGCTAGAGG AGGGACTCCA GTGGCAGTGC  
901 TCGTCCTCAG ACTGGAAGTT AAACCTCAAGG CCCAGGAAAG AGCTTAGAC TCTGCAGCGC  
961 CCACTTCCT CCTGGAGCAG CAGCTGTGGG GAGTGGAGTT GCTGCCAGT AGCCTTCAAG  
1021 CTGGTCTAGT CTCCCACCGA GAACTTGACT CTTCATCCTC TGGGCCCTTG AGCGTTCAAGA  
1081 GCTTAGGTAA TTTCAAGGTA GTTTCTATC TCCTGAACCC TTCCTACCTG GACTACCTC  
1141 CCCAGTTAGG GCTGCGCTGT CAGAGCAGCG CTGGAGGTGG CCAGTTGTG GGTTCCGAA  
1201 CACTAACCCCC AGAGAGCTGC TATCTTCTG AAGATGGTTG TCACCCCTCAG CCGTTGCCGG  
1261 CAGAGATGTC GGCAACCGCC TGGAGAAGGT GTCCGCCTCT CTCTACAGAA GGCCTGCCGG  
1321 AAATCCACCA CCTCGTATG AAACGGCTAG AATTCCCTCA GGCTAACAAA GGGCAAGAGT  
1381 TACCCACCCCC TGACCAAGAT AATGGCTATC ATAGCCTGGA GGAGGAACAT AACCTCTCC  
1441 GGATGGACCC ACAACATTGC ACAGATAACC CAGCACAGGC GGTGTCCCC GCTGCAGACA

**FIGURE 4A**

METHODS OF SCREENING TEST COMPOUNDS USING GADD34L,  
AN eIF2 $\alpha$ -SPECIFIC PHOSPHATASE SUBUNIT.

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1501 GGCGGGAGCC CACTGAGAAA AAACCAGAAT TGGTGATTCA AGAAGTTCA CAGAGCCCCC  
1561 AGGGAAGCAG TCTGTTTGT GAATTACCCG TGGAAAAGA ATGTGAAGAG GACCACACTA  
1621 ATGCAACTGA CCTCTCAGAT AGAGGAGAGA GCCTTCCTGT TTCTACCAGA CCAGTTGTA  
1681 GCAACAAACT GATAGATTAT ATTTGGGAG GCGCCCCAG TGACTTGGAA GCCAGCTCTG  
1741 ATTCTGAAAG TGAGGATTGG GCGGAGGAAC CTGAGGACGA TGGCTTGAT AGCGATGGCT  
1801 CCCTGTCTGA ATCAGACGTG GAACAGGACT CGGAAGGCCT TCACCTTGGA AACTTTCC  
1861 ACAGTGTAGA TCCTTACAAA CCCCAAAACT TTACAGCCAC GATTCAAGACG GCTGCCAGAA  
1921 TTGCCCCCAG AGACCCATCA GATTCAAGGGA CATCCTGGTC TGGCAGCTGT GGTGTAGGGA  
1981 GCTGTCAGGA GGGACCCCTT CCGGAGACCC CCGACCATA TAGTCCGGGAG GAAGATGACT  
2041 GGGAACCGAG TGCAGATGAA GCAGAGAATC TTAAATTGTG GAACTTTTC TGTCATTCTG  
2101 AGGACCCCTA CAACCTTTA AATTTAAGG CTCCTTTCA ACCGTCAGGG AAGAATTGGA  
2161 AAGGCCGTCA GGACTCAAAG GCCTCTTCTG AGGTACAGT GGCCTCTCT GCCCATCATA  
2221 CCTTACTTTC TTGTAAGGCC CAGCTGTTAG AGAGCCAAGA AGATAATTGT CCAGGCTGTG  
2281 GGCTGGGTGA GGCTCTGCT GGAGAAAGAT ACACCCATAT CAAGAGAAAA AAGGTAACCT  
2341 TCCTGGAAGA AGTTACTGAG TATTATATAA GTGGTGATGA GGATCGCAA GGACCATGGG  
2401 AAGAATTGCA AAGGGATGGA TGCAGGTTCC AGAAACGAAT TCAAGAAACA GAAGTTGCCA  
2461 TTGGCTACTG CTTGGCCTTT GAGCACAGAG AAAAATGTT TAATAGACTG AGGATCGAGT  
2521 CAAAGGACTT ACTGTTGTAC AGCAATGTTA AGAAGTGAAC AGCCTGCAAC CCGTGCCCAC  
2581 TCTGTCTCTT ACTTGAGAGT TTCCCTTAAA AACAAACACT GGCAGCTGTC CTTGGACATG  
2641 TTTTAAAGA AACAACTTGT ATCTAGAGAT GCAGTTGAT TATTTTGGG TAATGTGTCT  
2701 CATTAGAAAC ACCAACTCCG ATAATGAAGA ATCTCTTATC TGTAATCCTC TCTTTCCCTA  
2761 TTTAGTTGGA TGTGGTTTT GTCTTTTGA GAGGGTCTCA CTGCATAATT CTGTTGGCC  
2821 TAGGTCTATG TATGTAGACC AGGTTGGCCT TGAAGTTGGT ATTTCTTGC CTCTGTTCC  
2881 TGTGCCACCA TGCCCAGCTG GAAGTGTGTT TAAATATCCT CTGCTTACCT GGGGTGAGAG  
2941 TTTAATTG CACTTCAAA ACCTTCTTC TGGAGGCAGG GGCTGGTCTG GTTACATAC  
3001 AGGCTTCAGG CCAGCTAGGG CTATGTGGTG AGACCTAGTC TTAGAGGACA AACAGAACAA

**FIGURE 4B**

METHODS OF SCREENING TEST COMPOUNDS USING GADD34L,  
AN eIF2 $\alpha$ -SPECIFIC PHOSPHATASE SUBUNIT.

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3061 AACAGTCAGG TTACTGTGGA AACTGAGGCA GGAGGATAGG AAGGTCCAGG TATGCCTGGA  
3121 ACTCAGTGAA CTCTGAAC TC AAGGCCAGCA TGGGGAGTTT AGCAAGACCT TTTTACACTC  
3181 AGAATGGAAA AGGAAGCTGG GGATATAGCT CGGTAGCAGA GGCCCCTGCC TACATGTGCA  
3241 AGGTCCCTGGG TTCAGTCCCC AGTACTGCAA ATAGAAAGAA AAAACATTGT CTTGGATAAC  
3301 TATAAGGTTT AAGCCTCATA GTCAGTTCTA ACTCAAATTA TGCAATGCATT GAGTTCTTGT  
3361 GTGCTTTTC TGTTCTAAAA TTAATGGGCT TTATGGGTTT TGTTTTGTG TGTTTTATG  
3421 TCTGTTATAT TTTGAGGTAG GGGATTGAGG CAGGGTCTCA CTGTGGCCTT GAGCTCATGG  
3481 CAGTTTCCT GCTTCAACTG AGTGTGTTGG TTTGTTGTG TTTGTGTTT TTTACTTTCA  
3541 TAGATTTGAC TTAATGAAGG CAAAAACCTG TTATCAACCT AAAAGACATT GATGTGTCAC  
3601 TTCAGTGGTG GATTTCTCC CTCTTTTTT TTTTCCCCCA GAGCTGAGGA CCAAACCCAG  
3661 GGCTTGCAC TTGCTAGGCA AGCGCTCTAC CACTGAGCTA AATCCCCAAA CCACCCCCC  
3721 CCCTTTCTT TTTTAAAGA CATGGTCTTA TATAGTCTAG GCTGGCCTTA AACTCATTAC  
3781 TTAGCCAAGG ATGGCTTGA AAGATCCTCC TGTCTCTTG TTTGGCTTGC ACATGGCATG  
3841 TGCCATACAT CCAGATTTT CTCTGTATCT AGGTCTTTT AAGATATTC CAAGGACTGC  
3901 CCACAAATCC ACAGTGCAGT ACTTTCTTGA CTGGGAAAGC GGGGTTGGTG TGCTTTCAA  
3961 AGGCACACAC CATTATGCC AGCTGGTCTG CCAAACCTAA CATATTGGT TTCTGTGCAA  
4021 ACTGTCCATT TGGAAGGTTT CTGTGTGTTG TAGTTCACT TGAATGTGGC TCTCTGTAGC  
4081 TTTCAAGAAT GGGTAGAAAT CATAAAGCAC TCTTAAGTAA TCATTGCATT GTAGACATTT  
4141 TTTTTTTTA ACTAGGGGGT ATTTGGGAGA CATGTCAGAT ATTCACTTT GTTTATGTG  
4201 TCTTAAACC AGTGTACTT ACACCCCTGCC TCAGCACTGG CACTTTCAA ACCTGTCTTG  
4261 GAGACACTGT AAACCTGGAT GGTGCAGTTC TGGGTTTCA TGTGTAAAAT GTCAACTACA  
4321 AAGGTCAATA TCCAGGTTT TGTTGTTCTA CCTTATGTAG AGAGAAGCAA AGCAGAAAGG  
4381 GCAGATAGAG CAGCCAGAAA GTGCTAGTGT CCCCCCAAA GCGTGCTTCT AGATAGTGTG  
4441 TGGATCAGGT GTGCTTGGTT TGTTCACT TGCACCTG TTGTGCATGG TTGAGGTAAT  
4501 GTGTTACCAAG TTCTTAGTG GTTACATGCA CAAAAGAGAG GACCTCTGAG TCGGGTGTGG  
4561 GATGAGCTTT CCAGACCTGG CAGGGTAAAC TACCTCAGTT TATAATCTCC CTGGTTATTT

**FIGURE 4C**

METHODS OF SCREENING TEST COMPOUNDS USING GADD34L,  
AN eIF2 $\alpha$ -SPECIFIC PHOSPHATASE SUBUNIT.

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4621 CCGTTTGATG TGATCTAAGG TCTGCCTCAG TGGTGATGAT GTTCATCCAC ACACAAGGTT  
4681 AGTAAGAGTG CACGACCAGA AACGTTGGTC TTATTTTGA GAACCCCCAT TTCTGTGTAT  
4741 TTTATGCACC TGCCTTAGT GAACTCCAGA GTGCATTAAA GAGTCTGGTT TAGTGCCGTG  
4801 GGAATGGGCT AGTTAGAAG CTATGTTGG AAAGCAGGCA AGTTGACTTT AGGAAGAAAA  
4861 GCTGTGACAG TGTGTAGACA TTTCTTTAA ACCGGACTGC AGCTTAACAA CACTTGATT  
4921 CAGATGATTA GGTTTTGTT TCTGAGACCC AGCACCTGTA TATTTAAAAA TTGTTCCAGA  
4981 TTACACCTTC ACTATCAAAT GAGTAAATGA CTCATGCCTG CAGACATGTC CTGATGGTGG  
5041 CAAGAACAGA AGGATCTTG ACTGAAGGAG AAAAAGTGC ATTGTCATCC CAGCCCCCAG  
5101 GAAAGAACAC CTCCAAGGCA GGCAGGCAGG CAGGCAGGCA TGGTGGTTCT AGTTGAATAC  
5161 ACATTCAAGT CTTGCAGTGG TGCTTAGAT CTGTGTAGCA TGTGAGGCTC TGTACAGGTG  
5221 GGGGCCACAC TTCTGAGGGC TGAAATGTGG CAACCCTTA TCTAACTTGA AATCAAAACC  
5281 GTCAAATTTT ATTTTTATA ATTTAAGAAA GAGTTGGGA ATGACATTTT TTGAGTTGGC  
5341 CTTTCAGCT CAGTCATTTT ACGTGTAACG TGGAGATTTG ATAGCTCAGA TTATATTGT  
5401 ATATAATTAT TAACTAATCT GTAAATTGTA ATAAATATAT TTGCAATTAT TAAAAAA  
5461 AAAAAAAA.. 5468

**FIGURE 4D**

METHODS OF SCREENING TEST COMPOUNDS USING GADD34L,  
AN eIF2 $\alpha$ -SPECIFIC PHOSPHATASE SUBUNIT.

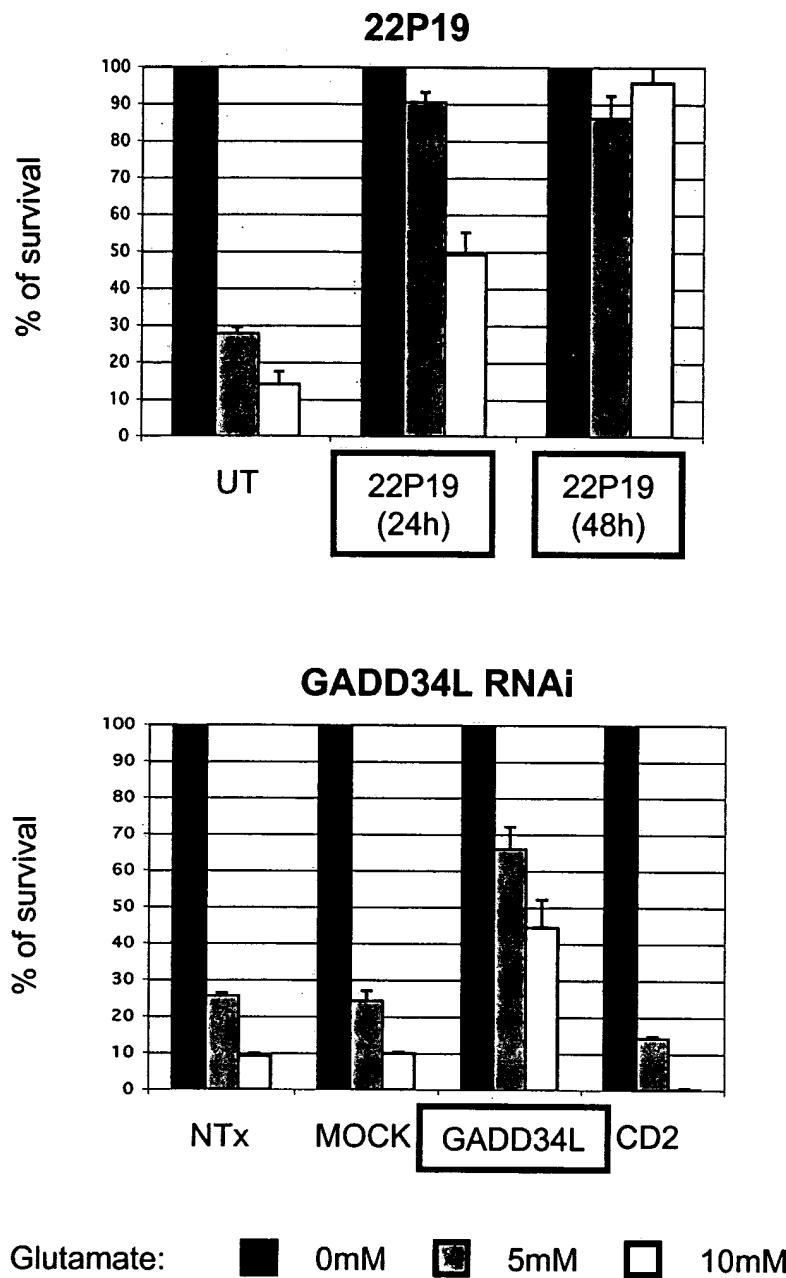
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1 METGTHRARK RPGPRLGSWF RLPFLRRSHA CSSEFFFFSS RQNPNGNSALP ERRTRYWTKL  
  
61 LSQLLALLPS LFQKLLLWSQ LSGGLIPTRW LDFAASYSAL RASRGREESD APTVQKSLSY  
  
121 TAAGLFAKTR VVSTLALARG GTPVAVLVLR LEVKLKAQER ALDSAAPTFQ LEQQLGVEL  
  
181 LPSSLQAGLV SHRELDSSSS GPLSVQSLGN FKVVSYLLNP SYLDYLPQLG LRCQSSAGGG  
  
241 QFVGFRRTLTP ESCYLSEDGC HPQPLRAEMS ATAWRRCPPQ STEGLPEIHH RRMRWLVFLQ  
  
301 PNQGQDLPTL DQDNGYHSLE EEHNLLRMDP QHCTDNPAQA VSPAADRPEP TEKKPELVIQ  
  
361 EVSQSPQGSS LFCELPVEKE CEEDEHTNATD LSDRGESLPV STRPVCSNKL IDYILGGAPS  
  
421 DLEASSDSES EDWGEPEPEDD GFDSGDGSLSE SDVEQDSEGL HLWNSFHSD PYKPQNFTAT  
  
481 IQTAARIAPR DPSDSGTWS GSCGVGSCQE GPLPETPDHS SGEEDDWEPQ ADEAENLKLW  
  
541 NSFCHSEDPY NLLNFKAPFQ PSGKNWKGRQ DSKASSEVTV AFSGHHTLLS CKAQLLESQE  
  
601 DNCPGCGLGE ALAGERYTHI KRKKVTFLEE VTEYYISGDE DRKGWPWEFA RDGCRFQKRI  
  
661 QETEVAIGYC LAFEHREKMF NRLRIESKDL LLYSNVKK..698

**FIGURE 5**

METHODS OF SCREENING TEST COMPOUNDS USING GADD34L,  
AN eIF2 $\alpha$ -SPECIFIC PHOSPHATASE SUBUNIT.

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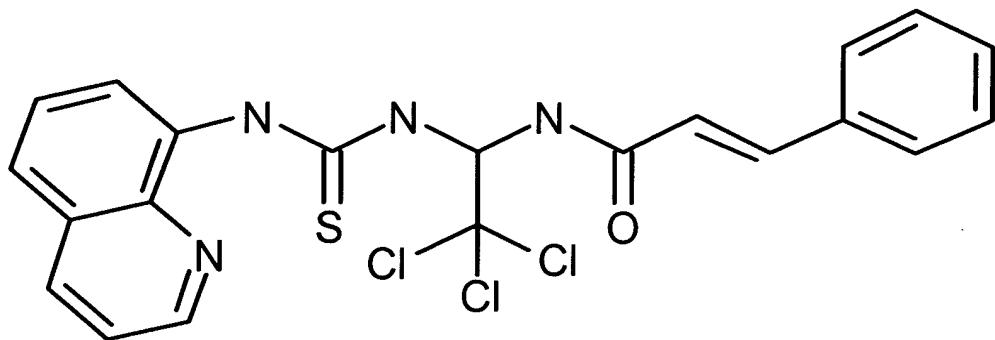


**FIGURE 6**

METHODS OF SCREENING TEST COMPOUNDS USING GADD34L,  
AN eIF2 $\alpha$ -SPECIFIC PHOSPHATASE SUBUNIT.

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**FIGURE 7**